

TAF SPECIAL REPORT

ALL PATENTS, ALL TYPES

JANUARY 1977 -- DECEMBER 1999



March 2000

U.S. PATENT AND TRADEMARK OFFICE
OFFICE FOR PATENT AND TRADEMARK INFORMATION / TAF PROGRAM
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A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

TAF Special Report
All Patents, All Types
1/1977 - 12/1999
Explanation of Data

This Technology Assessment and Forecast (TAF) report profiles patent activity for all U.S. patents (design, plant, reissue, and utility patents, defensive publications, and statutory invention registrations) granted between January 1, 1977 and **December 31, 1999**. The source of the data used for this report is the TAF database maintained by the Office for Patent and Trademark Information.

Data Distribution By Date of Grant and By Date of Application

Parts A1 and A2

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "Pre 1986" column corresponds to the period January 1, 1977 through December 31, 1985.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 40% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a (utility) patent and the issuing of the patent (i.e., a patent's "pendency") is now about 24 months, the patented application data for the most recent years are incomplete.* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in **December 1999**. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's "pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels,

patent printing schedules, etc.

Parts of the Report

Parts A1 and A2 present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 1000 or more U.S. patents since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

* As of **December 31, 1999**, UTILITY patent application data (most issued patent documents are utility patents) were approximately 79% complete for patent applications filed in 1997 and 21% complete for applications filed in 1998. They are essentially complete for applications filed prior to 1997.

Part A1
Patent Grants as Distributed By Year of Patent Grant

---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1999) ----

----- NUMBER OF PATENTS -----
 Pre 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 Total

Total	605598	77041	89598	84439	102690	99219	106842	107511	109890	113704	113955	121806	124146	163208	169153	2188800
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U.S. Origin	366687	42177	47916	44728	54760	52976	57789	58791	61221	64345	64510	69419	69922	90701	94094	1240036
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Foreign Origin	238911	34864	41682	39711	47930	46243	49053	48720	48669	49359	49445	52387	54224	72507	75059	948764
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JAPAN	78188	13864	17294	16989	21106	20743	22402	23164	23411	23517	22871	24059	24191	32119	32515	396433
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GERMANY	53246	7045	8093	7547	8614	7862	7984	7605	7186	6989	6874	7125	7292	9582	9896	162940
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FRANCE	19368	2510	2990	2792	3299	3093	3249	3282	3155	2985	3010	3016	3202	3991	4097	64039
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UNITED KINGDOM	22119	2638	2965	2754	3277	3017	3049	2632	2521	2469	2681	2674	2904	3726	3900	63326
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CANADA	11101	1451	1770	1643	2124	2087	2304	2218	2231	2380	2447	2639	2817	3537	3678	44427
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SWITZERLAND	11147	1257	1441	1299	1420	1347	1448	1294	1198	1244	1187	1192	1179	1373	1391	29417
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ITALY	7326	1102	1285	1173	1425	1498	1388	1446	1453	1361	1242	1385	1417	1820	1686	27007
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TAIWAN	770	269	411	536	688	861	1096	1253	1510	1814	2087	2419	2597	3805	4526	24642
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SWEDEN	7527	1022	1089	891	926	885	831	727	742	800	914	971	970	1346	1542	21183
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NETHERLANDS	6204	809	998	899	1162	1046	1075	974	944	998	894	886	895	1382	1396	20562
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SOUTH KOREA	181	55	105	126	183	290	449	586	830	1008	1240	1567	1965	3362	3679	15626
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AUSTRALIA	2906	452	459	486	586	517	571	497	470	564	548	566	568	830	832	10852
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BELGIUM	2256	266	323	328	377	352	366	371	377	392	419	516	561	755	718	8377
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AUSTRIA	2441	378	373	351	412	423	388	403	340	316	359	387	393	408	505	7877
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ISRAEL	1105	197	257	249	339	311	321	350	358	388	432	525	577	820	792	7021
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FINLAND	1298	226	293	239	251	315	343	381	311	341	387	453	468	629	695	6630
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DENMARK	1451	212	246	208	261	204	285	275	261	313	314	334	432	500	588	5884
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U.S.S.R.	2812	117	121	97	162	177	182	67	67	57	12	16	4	6	3	3900
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CHINA, HONG KONG S.A.R.	466	111	91	104	134	151	209	159	182	220	248	247	261	373	413	3369
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SPAIN	672	100	124	132	148	148	185	149	184	172	168	187	193	308	265	3135
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NORWAY	841	89	163	137	141	119	119	121	127	130	138	150	157	232	246	2910
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SOUTH AFRICA	736	91	113	107	143	122	111	101	101	109	127	116	114	132	127	2350
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HUNGARY	835	131	128	94	130	93	86	89	62	48	51	43	25	52	39	1906
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NEW ZEALAND	440	64	80	70	75	65	50	60	51	54	60	78	109	145	134	1535
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IRELAND	199	32	40	47	71	61	61	61	59	52	59	88	78	81	104	1093
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MEXICO	357	37	54	45	41	34	42	45	50	52	45	46	57	77	94	1076
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BRAZIL	218	27	35	37	39	45	66	43	59	61	70	69	67	88	98	1022
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CZECHOSLOVAKIA	507	35	47	33	34	39	27	18	15	20	15	9	10	9	5	823
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SINGAPORE	36	4	12	8	22	16	25	35	44	59	61	97	100	136	152	807
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CHINA P.REP.	14	11	23	48	52	48	52	41	53	48	63	48	66	88	99	754
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RUSSIAN FEDERATION									3	38	99	118	112	194	185	749
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LUXEMBOURG	228	36	25	38	39	27	42	36	41	44	34	27	42	46	35	740
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INDIA	93	18	12	14	15	23	24	24	30	28	38	37	48	94	114	612
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ARGENTINA	188	18	18	18	23	19	19	23	25	37	32	32	38	46	46	582
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VENEZUELA	82	23	25	20	23	20	25	24	34	28	31	30	26	29	39	459
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POLAND	233	14	13	8	14	17	8	5	8	9	8	16	11	19	20	403
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Others (119)	1320	153	166	144	174	168	171	161	176	214	180	219	278	367	405	4296
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Ownership:																
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U.S. Corporations	273416	31918	36296	33913	41402	39267	42887	44043	46093	48750	49049	53541	55304	72359	75936	944174
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U.S. Government	10534	1145	1143	848	978	1064	1272	1225	1234	1310	1083	960	974	1039	999	25808
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U.S. Individuals	98101	11159	12701	11895	14958	15091	16234	15650	16100	16527	16813	17415	16285	20765	20542	320236
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Foreign Corporations	186460	28050	34016	32681	39395	37995	40324	40930	41078	41540	41353	44190	45641	61425	64228	779306
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Foreign Government	2802	480	556	454	448	427	473	474	442	300	250	260	278	258	164	8066
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Foreign Individuals	34285	4289	4886	4648	5509	5375	5652	5189	4943	5277	5407	5440	5664	7362	7284	111210
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---- Patents Granted By Date Of Patent Grant (Granted: Jan 01, 1977 - Dec 31, 1999) ----

---- PERCENT OF PATENTS ----

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Total
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Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
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U.S. Origin	61	55	53	53	53	54	55	56	57	57	57	56	56	56	56	57
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Foreign Origin	39	45	47	47	47	46	45	44	43	43	43	44	44	44	44	43
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JAPAN	13	18	19	20	21	21	21	22	21	21	20	20	19	20	19	18
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GERMANY	9	9	9	9	8	8	7	7	7	6	6	6	6	6	6	7
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FRANCE	3	3	3	3	3	3	3	3	3	3	3	2	3	2	2	3
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UNITED KINGDOM	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3
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CANADA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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SWITZERLAND	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
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ITALY	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
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TAIWAN				1	1	1	1	1	2	2	2	2	2	2	3	1
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SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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SOUTH KOREA								1	1	1	1	1	2	2	2	1
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AUSTRALIA	1	1	1	1	1	1							1		0	
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BELGIUM															0	
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AUSTRIA															0	
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ISRAEL													1		0	
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FINLAND															0	
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DENMARK															0	
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U.S.S.R.															0	
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CHINA, HONG KONG S.A.R.															0	
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SPAIN															0	
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NORWAY															0	
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SOUTH AFRICA															0	
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HUNGARY															0	
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NEW ZEALAND															0	
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IRELAND															0	
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MEXICO															0	
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BRAZIL															0	
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CZECHOSLOVAKIA															0	
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SINGAPORE															0	
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CHINA P.REP.															0	
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RUSSIAN FEDERATION															0	
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LUXEMBOURG															0	
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INDIA															0	
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ARGENTINA															0	
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VENEZUELA															0	
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POLAND															0	
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Others (119)															0	
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Part A2
Patent Grants as Distributed By Year of Patent Application

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1999) ----

----- NUMBER OF PATENTED APPLICATIONS -----
 Pre 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 Total

Total	766366	82176	89279	98350	104547	108558	109414	112815	116908	132146	150182	144554	128190	43133	2182	2188800	
U.S. Origin	453839	43549	47411	52284	55500	59592	60479	63475	66854	74667	86089	79341	70589	25047	1320	1240036	
Foreign Origin	312527	38627	41868	46066	49047	48966	48935	49340	50054	57479	64093	65213	57601	18086	862	948764	
JAPAN	108272	16288	17993	20914	22928	23092	23756	23792	23090	26590	28884	28891	24919	6742	282	396433	
GERMANY	67323	7390	7629	7880	8026	7782	7153	7196	7083	7790	8646	8548	7950	2449	95	162940	
FRANCE	24783	2733	2902	3154	3157	3247	3175	3105	3106	3334	3807	3520	3083	894	39	64039	
UNITED KINGDOM	27866	2645	2941	2941	3000	2808	2509	2457	2677	3081	3520	3276	2777	800	28	63326	
CANADA	14072	1563	1871	2096	2246	2169	2288	2286	2591	2837	3380	3187	2812	986	43	44427	
SWITZERLAND	13707	1297	1269	1399	1445	1264	1233	1210	1224	1311	1386	1208	1077	376	11	29417	
ITALY	9561	1210	1359	1444	1386	1416	1363	1393	1317	1457	1645	1573	1429	437	17	27007	
TAIWAN	1326	459	605	693	890	1128	1362	1543	1908	2334	2783	3440	3702	2267	202	24642	
SWEDEN	9612	873	839	818	838	760	783	795	933	1089	1179	1155	1151	349	9	21183	
NETHERLANDS	7978	873	941	1050	1098	1035	951	952	981	1030	1110	1205	1078	261	19	20562	
SOUTH KOREA	345	109	187	258	446	559	836	961	1091	1676	2147	3417	2768	805	21	15626	
AUSTRALIA	3861	508	534	533	505	516	498	528	574	621	703	749	545	173	4	10852	
BELGIUM	2820	343	329	341	372	387	361	373	428	519	702	669	517	202	14	8377	
AUSTRIA	3141	351	361	403	391	425	357	329	355	414	457	387	381	116	9	7877	
ISRAEL	1577	245	302	300	335	338	374	372	449	643	698	681	542	158	7	7021	
FINLAND	1781	221	282	281	319	367	363	353	380	491	534	642	475	137	4	6630	
DENMARK	1887	225	230	248	238	303	256	240	318	385	546	434	394	171	9	5884	
U.S.S.R.	3022	110	140	151	160	138	82	52	20	10	9	2	3	1		3900	
CHINA, HONG KONG S.A.R.	699	128	122	124	179	165	159	204	210	238	264	342	287	226	22	3369	
SPAIN	886	134	133	147	167	166	160	182	168	218	228	252	216	75	3	3135	
NORWAY	1077	142	128	129	105	124	128	134	150	153	195	205	205	188	50	2	2910
SOUTH AFRICA	936	101	136	98	132	104	92	102	148	141	109	124	92	33	2	2350	
HUNGARY	1105	102	102	98	89	86	68	46	46	44	50	33	28	9		1906	
NEW ZEALAND	585	74	71	50	63	57	52	54	57	108	106	128	112	17	1	1535	
IRELAND	272	48	58	66	59	58	60	52	63	106	80	79	70	22		1093	
MEXICO	435	48	34	43	45	38	51	56	42	56	52	75	76	22	3	1076	
BRAZIL	278	38	38	32	67	43	59	59	63	96	65	84	74	23	3	1022	
CZECHOSLOVAKIA	581	39	26	40	33	17	15	20	21	11	10	6	4			823	
SINGAPORE	52	11	14	24	23	24	37	67	63	100	102	135	123	31	1	807	
CHINA P.REP.	38	53	43	53	45	43	53	50	74	52	67	79	79	24	1	754	
RUSSIAN FEDERATION							2	27	98	125	145	173	143	33	3	749	
LUXEMBOURG	294	36	33	29	32	38	36	42	29	42	31	38	45	14	1	740	
INDIA	122	18	10	21	27	26	24	35	37	42	52	79	89	29	1	612	
ARGENTINA	220	22	25	15	12	30	27	24	42	39	37	46	26	17		582	
VENEZUELA	119	26	25	15	20	30	31	37	30	28	26	27	34	10	1	459	
POLAND	260	9	9	17	8	8	9	6	14	16	9	19	16	3		403	
Others (119)	1634	155	147	161	161	175	172	206	174	252	329	305	296	124	5	4296	

Ownership:

U.S. Corporations	339798	33003	35662	39174	41823	44343	45547	48798	51308	57627	68834	63586	55560	18184	927	944174
U.S. Government	13076	895	781	976	1100	1264	1241	1278	1242	1069	1117	855	720	186	8	25808
U.S. Individuals	120444	11668	13053	14534	15051	16344	15845	15600	16802	18735	19260	18001	16954	7518	427	320236
Foreign Corporations	246225	31657	34229	38158	40787	40874	41331	41872	41898	48400	54472	55379	48836	14564	624	779306
Foreign Government	3814	455	435	390	457	477	433	345	267	291	296	242	139	24	1	8066
Foreign Individuals	43009	4498	5119	5118	5329	5256	5017	4922	5391	6024	6203	6491	5981	2657	195	111210

---- Patents Granted By Date Of Patent Application (Granted: Jan 01, 1977 - Dec 31, 1999) ----

---- PERCENT OF PATENTED APPLICATIONS ----
Pre 1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 Total

Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
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U.S. Origin	59	53	53	53	53	55	55	56	57	57	55	55	58	60	57
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Foreign Origin	41	47	47	47	47	45	45	44	43	43	45	45	42	40	43
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JAPAN	14	20	20	21	22	21	22	21	20	19	20	19	16	13	18
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GERMANY	9	9	9	8	8	7	7	6	6	6	6	6	6	4	7
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FRANCE	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3
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UNITED KINGDOM	4	3	3	3	3	3	2	2	2	2	2	2	2	1	3
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CANADA	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
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SWITZERLAND	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
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ITALY	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1
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TAIWAN		1	1	1	1	1	1	2	2	2	2	3	5	9	1
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SWEDEN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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NETHERLANDS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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SOUTH KOREA						1	1	1	1	1	2	2	2	1	1
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AUSTRALIA	1	1	1	1							1			0	
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BELGIUM													1	0	
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AUSTRIA													0		
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ISRAEL													0		
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FINLAND													0		
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DENMARK													0		
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U.S.S.R.													0		
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CHINA, HONG KONG S.A.R.												1	1	0	
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SPAIN													0		
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NORWAY													0		
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SOUTH AFRICA													0		
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HUNGARY													0		
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NEW ZEALAND													0		
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IRELAND													0		
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MEXICO													0		
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BRAZIL													0		
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CZECHOSLOVAKIA													0		
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SINGAPORE													0		
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CHINA P.REP.													0		
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RUSSIAN FEDERATION													0		
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LUXEMBOURG													0		
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INDIA													0		
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ARGENTINA													0		
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VENEZUELA													0		
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POLAND													0		
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Others (119)													0		
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Ownership:

U.S. Corporations	44	40	40	40	40	41	42	43	44	44	46	44	43	42	42	43
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U.S. Government	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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U.S. Individuals	16	14	15	15	14	15	14	14	14	14	13	12	13	17	20	15
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Foreign Corporations	32	39	38	39	39	38	38	37	36	37	36	38	38	34	29	36
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Foreign Government		1													0	
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Foreign Individuals	6	5	6	5	5	5	5	4	5	5	4	4	5	6	9	5
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Part B

Ranked Listing of Organizations with Patent Grants

As Distributed By Year of Patent Grant

and As Distributed By Year of Patent Application

---- Technology Assessment and Forecast Report ----

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---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

INTERNATIONAL BUSINESS MACHINES CORPORATION

Patents By Year of Grant:	4410	631	633	575	653	644	714	875	1139	1356	1468	1930	1781	2685	2778	22272
Patents By Year of Application:	5726	583	571	658	743	932	1260	1537	1269	1839	2461	2410	1956	314	13	22272

CANON KABUSHIKI KAISHA

Patents By Year of Grant:	2488	553	886	776	999	923	916	1191	1109	1161	1169	1626	1466	2011	1866	19140
Patents By Year of Application:	3919	847	736	877	1025	1061	1219	1304	1356	1855	2180	1418	1157	178	8	19140

GENERAL ELECTRIC COMPANY

Patents By Year of Grant:	7042	726	784	708	835	810	840	952	943	977	765	824	669	738	702	18315
Patents By Year of Application:	8480	694	722	803	845	906	897	955	867	873	822	702	585	158	6	18315

HITACHI, LTD

Patents By Year of Grant:	4182	751	878	926	1075	935	953	969	950	989	924	970	914	1110	1024	17550
Patents By Year of Application:	5938	844	953	1064	1096	1036	1033	930	910	969	1085	899	634	152	7	17550

TOSHIBA CORPORATION

Patents By Year of Grant:	2904	720	845	783	997	957	1079	1088	1072	1002	1009	957	889	1237	1232	16771
Patents By Year of Application:	4448	714	852	1031	1068	1102	1205	968	910	1099	1096	1150	898	219	11	16771

MITSUBISHI DENKI KABUSHIKI KAISHA

Patents By Year of Grant:	1271	372	522	558	794	899	952	979	946	986	975	939	901	1092	1073	13259
Patents By Year of Application:	2087	499	651	912	975	988	1100	984	935	972	1082	995	843	227	9	13259

MOTOROLA, INC.

Patents By Year of Grant:	1814	350	429	364	416	420	637	691	791	960	1108	1163	1186	1542	1273	13144
Patents By Year of Application:	2476	400	360	380	606	713	839	916	1067	1274	1462	1416	997	228	10	13144

EASTMAN KODAK COMPANY

Patents By Year of Grant:	2254	238	305	441	595	736	879	790	1011	900	784	796	802	1145	1012	12688
Patents By Year of Application:	2691	353	477	707	843	921	932	1041	780	774	775	1151	901	325	17	12688

U.S. PHILIPS CORPORATION

Patents By Year of Grant:	3496	537	713	596	769	666	693	554	462	429	527	501	499	760	764	11966
Patents By Year of Application:	4705	624	584	689	700	611	509	460	461	588	663	696	556	113	7	11966

NEC CORPORATION

Patents By Year of Grant:	941	238	383	360	493	447	441	465	611	918	1009	1054	1105	1639	1849	11953
Patents By Year of Application:	1619	321	377	467	479	436	621	902	782	1346	1236	1566	1461	329	11	11953

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Patents By Year of Grant:	1929	240	337	299	398	361	485	627	762	800	921	887	784	1090	1107	11027
Patents By Year of Application:	2525	307	317	360	471	613	776	817	895	961	969	975	811	213	17	11027

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---- Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) ---- Ranked List of Organizations with 1000 or More Patents ----

	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

SONY CORPORATION

Patents By Year of Grant:	1518	238	352	319	341	279	354	463	637	747	805	936	942	1445	1634	11010
Patents By Year of Application:	2144	294	283	333	356	423	628	794	768	945	1202	1352	1189	288	11	11010

SIEMENS AKTIENGESELLSCHAFT

Patents By Year of Grant:	3632	412	542	566	665	511	479	402	374	381	429	418	455	627	744	10637
Patents By Year of Application:	4544	533	531	550	465	463	380	410	405	455	506	586	607	196	6	10637

FUJI PHOTO FILM CO., LTD

Patents By Year of Grant:	1911	453	495	590	902	784	761	671	660	571	523	524	481	560	550	10436
Patents By Year of Application:	2863	588	715	815	769	687	672	590	522	533	537	588	461	93	3	10436

AT&T CORP.

Patents By Year of Grant:	3989	482	428	401	407	450	504	457	470	615	654	523	49	150	279	9858
Patents By Year of Application:	4932	375	341	347	521	520	475	589	702	486	202	177	177	13	1	9858

BAYER AKTIENGESELLSCHAFT

Patents By Year of Grant:	3620	390	371	444	472	501	493	475	443	345	328	323	357	382	342	9286
Patents By Year of Application:	4380	409	387	449	520	483	393	417	354	331	384	385	299	87	8	9286

E. I. DU PONT DE NEMOURS AND COMPANY

Patents By Year of Grant:	3013	337	423	379	446	485	607	609	573	492	445	397	313	399	341	9259
Patents By Year of Application:	3668	400	409	447	581	645	555	509	452	418	419	344	317	90	5	9259

XEROX CORPORATION

Patents By Year of Grant:	2433	226	229	283	285	255	354	474	564	615	554	706	610	776	671	9035
Patents By Year of Application:	2906	203	254	267	337	485	565	585	650	680	702	647	505	239	10	9035

FUJITSU LIMITED

Patents By Year of Grant:	861	208	243	246	287	265	368	418	454	595	732	872	908	1232	1200	8889
Patents By Year of Application:	1335	197	248	267	359	447	545	600	678	994	1161	1078	818	159	3	8889

MINNESOTA MINING AND MANUFACTURING COMPANY

Patents By Year of Grant:	1631	237	268	288	391	335	376	411	435	540	598	573	591	592	351	7617
Patents By Year of Application:	2117	277	328	373	331	424	425	482	554	672	719	542	328	45	0	7617

WESTINGHOUSE ELECTRIC CORP.

Patents By Year of Grant:	3430	399	654	434	454	438	356	370	306	262	196	136	74	82	12	7603
Patents By Year of Application:	4429	394	394	446	406	403	317	233	211	203	88	53	26	0	0	7603

GENERAL MOTORS CORPORATION

Patents By Year of Grant:	2499	300	390	385	418	383	441	402	441	334	282	298	277	306	276	7432
Patents By Year of Application:	2981	377	346	399	408	399	456	443	340	326	311	310	231	103	2	7432

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Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) Ranked List of Organizations with 1000 or More Patents

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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TEXAS INSTRUMENTS, INCORPORATED

Patents By Year of Grant:	1380	178	277	195	400	288	376	400	370	481	529	603	607	611	599	7294
Patents By Year of Application:	1902	195	261	361	354	401	403	430	531	686	759	484	436	91	0	7294

UNITED STATES OF AMERICA, NAVY

Patents By Year of Grant:	3013	233	206	126	145	276	396	314	360	395	347	294	299	345	358	7107
Patents By Year of Application:	3791	119	108	173	214	368	331	363	353	304	329	304	271	75	4	7107

SHARP KABUSHIKI KAISHA (SHARP CORPORATION)

Patents By Year of Grant:	956	228	313	306	409	501	469	451	424	494	435	378	422	584	554	6924
Patents By Year of Application:	1567	322	357	446	451	442	468	484	436	421	517	522	379	110	2	6924

BASF AKTIENGESELLSCHAFT

Patents By Year of Grant:	2125	252	263	299	355	397	385	398	360	320	304	319	276	399	414	6866
Patents By Year of Application:	2619	250	330	391	389	386	346	314	327	324	370	327	361	128	4	6866

DOW CHEMICAL COMPANY

Patents By Year of Grant:	2573	374	473	428	433	401	333	323	330	270	230	197	165	174	142	6846
Patents By Year of Application:	3349	454	364	401	388	316	291	274	266	227	220	155	113	28	0	6846

CIBA-GEIGY CORPORATION

Patents By Year of Grant:	2732	244	287	281	346	410	417	319	332	302	277	273	239	17	4	6480
Patents By Year of Application:	3227	294	324	387	360	351	317	291	295	311	280	42	1	0	0	6480

HOECHST AKTIENGESELLSCHAFT

Patents By Year of Grant:	2243	231	234	227	260	282	282	331	356	335	313	353	353	328	152	6280
Patents By Year of Application:	2701	237	233	298	299	283	296	368	329	368	489	215	151	13	0	6280

ROBERT BOSCH GMBH

Patents By Year of Grant:	2130	243	262	224	201	204	261	278	363	317	312	307	267	351	423	6143
Patents By Year of Application:	2600	209	187	165	249	285	332	374	302	337	304	363	335	99	2	6143

HEWLETT-PACKARD COMPANY

Patents By Year of Grant:	481	77	131	153	245	221	328	352	351	438	492	523	554	827	880	6053
Patents By Year of Application:	667	158	219	224	339	337	403	422	457	561	664	833	631	131	7	6053

HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOTOR CO., LTD.)

Patents By Year of Grant:	1079	300	408	394	379	403	259	209	260	247	254	302	353	416	487	5750
Patents By Year of Application:	1733	374	390	355	339	191	232	272	247	307	411	364	378	156	1	5750

MOBIL OIL CORP.

Patents By Year of Grant:	2199	347	296	254	380	358	368	301	292	295	204	167	91	67	72	5691
Patents By Year of Application:	2786	233	338	350	364	309	333	289	240	204	135	46	46	16	2	5691

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Organizational Patenting

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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SAMSUNG ELECTRONICS CO., LTD.

Patents By Year of Grant:	2	1	7	8	30	63	148	255	358	418	439	495	590	1308	1560	5682
Patents By Year of Application:	11	5	22	54	182	240	385	411	416	495	647	1422	1051	334	7	5682

NISSAN MOTOR COMPANY, LIMITED

Patents By Year of Grant:	2303	286	316	244	276	377	334	343	216	141	120	103	139	164	211	5573
Patents By Year of Application:	2903	260	213	327	350	319	286	161	110	120	150	173	147	53	1	5573

RICOH COMPANY, LTD.

Patents By Year of Grant:	1024	220	223	195	285	305	328	374	294	312	282	300	348	411	417	5318
Patents By Year of Application:	1461	196	192	317	348	391	313	324	312	340	362	382	285	91	4	5318

TOYOTA JIDOSHA K.K.

Patents By Year of Grant:	1797	238	396	315	283	162	156	153	146	133	157	160	213	390	405	5104
Patents By Year of Application:	2325	368	250	173	157	163	141	155	155	163	209	385	382	77	1	5104

RCA CORPORATION

Patents By Year of Grant:	3812	487	507	129	2	0	1	0	0	0	0	0	0	0	0	4938
Patents By Year of Application:	4662	237	38	0	1	0	0	0	0	0	0	0	0	0	0	4938

UNITED STATES OF AMERICA, ARMY

Patents By Year of Grant:	2073	256	254	152	200	170	201	168	184	203	191	155	170	166	142	4685
Patents By Year of Application:	2528	193	144	157	197	171	172	214	205	185	191	169	117	42	0	4685

ALLIED-SIGNAL INC.

Patents By Year of Grant:	1360	251	286	245	276	247	250	321	246	274	198	190	119	140	147	4550
Patents By Year of Application:	1903	210	231	249	272	277	311	261	217	168	154	148	106	42	1	4550

PROCTER + GAMBLE COMPANY

Patents By Year of Grant:	936	81	142	99	157	136	166	190	173	220	233	354	434	503	632	4456
Patents By Year of Application:	1151	117	146	129	148	169	171	188	254	344	462	547	459	162	9	4456

PHILLIPS PETROLEUM COMPANY

Patents By Year of Grant:	2486	224	207	153	142	132	158	171	195	149	101	91	76	75	72	4432
Patents By Year of Application:	2930	147	116	126	128	182	170	172	116	92	118	59	56	19	1	4432

SHELL OIL COMPANY

Patents By Year of Grant:	1457	203	161	214	376	268	273	278	234	238	173	139	129	148	136	4427
Patents By Year of Application:	1794	194	269	297	262	277	261	246	212	173	156	145	98	43	0	4427

UNITED STATES OF AMERICA, DEPARTMENT OF ENERGY

Patents By Year of Grant:	1962	258	253	240	233	240	215	250	182	205	119	71	69	62	53	4412
Patents By Year of Application:	2476	223	187	216	247	229	227	177	165	78	69	62	44	12	0	4412

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	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

FORD MOTOR COMPANY

Patents By Year of Grant:	1167	126	153	145	170	164	181	231	291	327	338	383	266	147	151	4240
Patents By Year of Application:	1416	118	187	156	148	215	251	307	400	360	346	156	124	53	3	4240

OLYMPUS OPTICAL CO., LTD.

Patents By Year of Grant:	1375	153	148	183	200	183	168	203	214	238	214	224	217	282	230	4232
Patents By Year of Application:	1678	139	174	188	179	209	236	229	277	255	256	201	166	44	1	4232

HUGHES AIRCRAFT COMPANY

Patents By Year of Grant:	843	98	183	216	299	252	350	296	329	412	326	273	130	50	6	4063
Patents By Year of Application:	1168	220	218	277	290	309	349	413	344	256	168	48	3	0	0	4063

UNITED TECHNOLOGIES CORPORATION

Patents By Year of Grant:	1422	194	207	190	234	152	165	238	207	203	215	160	123	117	109	3936
Patents By Year of Application:	1820	172	212	200	170	180	228	217	200	208	134	103	72	20	0	3936

MINOLTA CAMERA CO., LTD.

Patents By Year of Grant:	692	72	106	174	354	377	320	283	241	162	115	166	160	308	369	3899
Patents By Year of Application:	874	116	257	406	383	291	270	186	140	170	181	248	273	97	7	3899

EXXON RESEARCH + ENGINEERING CO.

Patents By Year of Grant:	2155	226	181	107	127	129	136	111	109	127	90	72	74	106	122	3872
Patents By Year of Application:	2556	116	119	96	125	129	119	105	111	86	97	77	94	40	2	3872

UNISYS CORPORATION

Patents By Year of Grant:	2311	184	138	99	95	83	99	87	51	80	112	134	109	122	91	3795
Patents By Year of Application:	2662	70	101	90	106	69	63	73	115	129	135	111	63	7	1	3795

NIKON CORPORATION

Patents By Year of Grant:	531	69	122	84	69	79	87	109	136	122	231	433	495	599	371	3537
Patents By Year of Application:	700	80	58	69	92	89	142	127	175	395	628	499	410	70	3	3537

MERCK + CO., INC.

Patents By Year of Grant:	1233	103	124	125	174	134	152	164	223	165	126	127	163	179	217	3409
Patents By Year of Application:	1483	108	139	123	134	163	202	229	128	161	154	135	188	59	3	3409

IMPERIAL CHEMICAL INDUSTRIES PLC

Patents By Year of Grant:	1544	114	112	164	159	182	183	192	233	131	94	68	61	63	45	3345
Patents By Year of Application:	1804	138	154	175	212	159	197	169	90	73	83	56	24	10	1	3345

INTEL CORPORATION

Patents By Year of Grant:	136	15	24	33	49	45	57	73	125	206	271	423	405	708	744	3314
Patents By Year of Application:	170	25	52	49	50	75	113	210	313	441	588	710	454	63	1	3314

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	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

CATERPILLAR INC.

Patents By Year of Grant:	1640	46	57	47	61	53	81	63	117	109	149	209	213	197	267	3309
Patents By Year of Application:	1725	56	45	47	55	90	93	120	139	207	227	254	193	57	1	3309

ROCKWELL INTERNATIONAL CORPORATION

Patents By Year of Grant:	1538	163	158	134	124	115	154	126	137	151	117	122	75	77	68	3259
Patents By Year of Application:	1870	128	111	118	150	128	147	139	133	112	120	57	41	5	0	3259

HONEYWELL INC.

Patents By Year of Grant:	1058	156	172	148	215	169	171	138	145	171	185	129	103	139	144	3243
Patents By Year of Application:	1378	149	147	202	180	151	158	160	187	140	116	139	114	22	0	3243

LUCENT TECHNOLOGIES INC.

Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	300	816	948	1162	3226	
Patents By Year of Application:	0	0	0	0	0	1	9	11	56	399	908	845	760	223	14	3226

AMERICAN CYANAMID COMPANY

Patents By Year of Grant:	1570	95	114	104	116	144	107	133	136	149	106	108	108	114	112	3216
Patents By Year of Application:	1812	112	118	102	87	136	126	136	146	114	180	47	67	30	3	3216

KONICA CORPORATION

Patents By Year of Grant:	691	122	105	124	176	212	230	210	230	233	179	160	128	170	166	3136
Patents By Year of Application:	905	111	155	183	198	265	224	201	188	191	162	159	142	51	1	3136

UNITED STATES OF AMERICA, AIR FORCE

Patents By Year of Grant:	1241	187	204	136	157	114	149	145	139	138	86	104	94	84	91	3069
Patents By Year of Application:	1621	162	131	133	114	154	135	131	111	97	101	87	66	25	1	3069

BOEING COMPANY

Patents By Year of Grant:	966	138	169	168	215	193	197	184	106	80	98	99	114	157	147	3031
Patents By Year of Application:	1346	139	170	206	202	159	129	86	95	68	195	134	79	22	1	3031

NIPPONDENSO CO., LTD.

Patents By Year of Grant:	688	122	184	124	116	76	76	86	123	165	189	311	313	309	100	2982
Patents By Year of Application:	970	125	113	82	82	75	108	162	211	266	383	350	48	6	1	2982

EATON CORPORATION

Patents By Year of Grant:	850	127	123	104	141	143	115	141	135	149	166	182	145	165	222	2908
Patents By Year of Application:	1072	91	132	127	122	134	135	154	185	186	143	173	163	89	2	2908

MONSANTO COMPANY, INC.

Patents By Year of Grant:	1537	111	94	99	90	85	129	129	104	77	75	82	99	77	83	2871
Patents By Year of Application:	1783	78	65	94	126	115	96	86	83	81	112	69	67	16	0	2871

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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BRISTOL-MYERS SQUIBB COMPANY

Patents By Year of Grant:	1053	109	126	121	124	125	124	130	124	103	100	104	138	144	149	2774
Patents By Year of Application:	1291	112	121	108	120	150	118	122	133	113	139	113	93	36	5	2774

TEXACO INC.

Patents By Year of Grant:	1472	140	146	96	126	115	100	107	111	88	107	65	25	34	35	2767
Patents By Year of Application:	1716	128	111	104	95	113	112	102	94	85	44	27	27	9	0	2767

GOODYEAR TIRE + RUBBER COMPANY

Patents By Year of Grant:	971	77	88	95	100	112	115	103	129	150	109	113	235	206	153	2756
Patents By Year of Application:	1138	83	94	107	107	121	108	132	96	132	155	204	189	86	4	2756

ADVANCED MICRO DEVICES, INC.

Patents By Year of Grant:	66	53	92	82	87	83	83	71	85	86	129	179	271	557	824	2748
Patents By Year of Application:	227	93	54	74	93	100	55	89	127	190	381	521	616	119	9	2748

UOP

Patents By Year of Grant:	1354	63	73	68	162	120	99	103	115	103	109	97	60	88	107	2721
Patents By Year of Application:	1464	81	127	137	94	99	98	124	95	128	82	75	83	34	0	2721

SUMITOMO CHEMICAL COMPANY, LIMITED

Patents By Year of Grant:	870	88	98	123	147	114	146	133	147	164	139	138	123	149	136	2715
Patents By Year of Application:	1054	115	133	130	141	121	136	158	145	177	148	125	101	31	0	2715

UNION CARBIDE CORPORATION

Patents By Year of Grant:	2003	210	160	145	132	43	8	0	0	0	0	0	0	0	0	2701
Patents By Year of Application:	2359	139	107	64	32	0	0	0	0	0	0	0	0	0	0	2701

UNIVERSITY OF CALIFORNIA, THE REGENTS OF

Patents By Year of Grant:	305	55	66	65	89	67	85	79	119	170	215	268	276	399	436	2694
Patents By Year of Application:	455	65	77	69	90	94	118	135	253	320	424	318	226	47	3	2694

AMP INCORPORATED

Patents By Year of Grant:	1004	129	220	205	245	226	267	236	132	3	0	1	0	0	0	2668
Patents By Year of Application:	1281	202	180	201	249	229	213	112	0	1	0	0	0	0	0	2668

PPG INDUSTRIES INC.

Patents By Year of Grant:	1442	126	119	118	112	100	94	70	84	61	53	52	74	97	44	2646
Patents By Year of Application:	1651	130	121	103	88	87	82	48	67	66	78	71	53	1	0	2646

UNITED STATES OF AMERICA, NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Patents By Year of Grant:	921	93	122	93	127	128	151	151	166	160	122	104	97	95	93	2623
Patents By Year of Application:	1110	93	96	145	139	137	170	159	167	123	108	87	77	11	1	2623

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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ELI LILLY AND COMPANY

Patents By Year of Grant:	911	86	88	68	75	74	66	63	79	79	148	245	223	182	190	2577
Patents By Year of Application:	1118	62	52	64	61	68	65	99	153	152	356	101	160	60	6	2577

AMOCO CORPORATION

Patents By Year of Grant:	958	90	110	167	200	193	158	187	147	88	58	67	56	67	16	2562
Patents By Year of Application:	1191	118	177	205	180	174	155	90	71	65	71	42	22	1	0	2562

MICRON TECHNOLOGY, INC.

Patents By Year of Grant:	1	0	0	0	11	34	77	114	173	106	63	125	319	592	941	2556
Patents By Year of Application:	1	0	0	27	37	109	143	174	76	91	376	592	678	224	28	2556

ASAHI KOGAKU KOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	400	46	32	44	59	107	155	178	227	217	156	182	165	277	307	2552
Patents By Year of Application:	476	30	52	90	155	198	218	219	160	205	190	227	237	91	4	2552

SUMITOMO ELECTRIC INDUSTRIES CO., LTD.

Patents By Year of Grant:	292	81	93	98	143	126	132	180	233	233	233	210	172	159	162	2547
Patents By Year of Application:	477	79	111	146	134	147	204	271	205	258	239	130	121	25	0	2547

DAIMLER-BENZ AKTIENGESELLSCHAFT

Patents By Year of Grant:	654	82	93	101	136	109	110	104	125	96	108	144	172	279	218	2531
Patents By Year of Application:	799	101	102	116	118	106	110	113	110	157	182	228	229	60	0	2531

PIONEER ELECTRONIC CORPORATION

Patents By Year of Grant:	417	88	112	99	167	154	180	235	220	174	148	101	110	141	140	2486
Patents By Year of Application:	644	60	131	179	177	231	206	192	149	123	110	144	117	22	1	2486

THOMSON-CSF

Patents By Year of Grant:	1094	121	131	129	104	114	138	107	90	84	90	52	52	66	67	2439
Patents By Year of Application:	1379	99	92	105	131	120	99	94	74	67	71	51	43	14	0	2439

BROTHER KOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	140	37	66	81	161	181	263	217	167	156	123	137	157	217	265	2368
Patents By Year of Application:	230	74	145	159	193	273	183	175	132	168	168	241	161	62	4	2368

HOFFMANN-LA ROCHE INC.

Patents By Year of Grant:	1116	84	89	59	96	78	78	73	88	89	104	106	79	72	70	2281
Patents By Year of Application:	1287	70	75	93	85	80	61	93	89	119	96	53	56	21	3	2281

SANYO ELECTRIC CO., LTD.

Patents By Year of Grant:	249	80	110	93	104	121	146	126	126	128	124	134	175	270	254	2240
Patents By Year of Application:	438	82	86	121	139	143	119	108	147	167	175	262	194	58	1	2240

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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AISIN SEIKI KABUSHIKI KAISHA

Patents By Year of Grant:	622	113	134	140	158	133	162	131	94	71	62	91	74	116	137	2238
Patents By Year of Application:	844	114	150	150	132	156	112	80	72	81	87	117	108	35	0	2238

GTE PRODUCTS CORPORATION

Patents By Year of Grant:	1108	137	144	144	176	128	155	94	86	41	8	2	0	3	1	2227
Patents By Year of Application:	1352	146	127	167	138	114	107	67	7	2	0	0	0	0	0	2227

DIGITAL EQUIPMENT CORPORATION

Patents By Year of Grant:	104	25	22	47	128	136	149	227	281	276	190	167	133	169	133	2187
Patents By Year of Application:	165	39	143	137	219	205	235	267	210	173	146	139	90	19	0	2187

NORTHERN TELECOM LIMITED

Patents By Year of Grant:	580	101	134	118	111	87	82	73	75	90	83	106	68	209	249	2166
Patents By Year of Application:	809	98	95	84	99	81	73	67	117	93	110	242	176	22	0	2166

ABBOTT LABORATORIES

Patents By Year of Grant:	540	34	45	47	43	70	87	138	140	149	119	191	200	175	159	2137
Patents By Year of Application:	624	47	55	62	102	97	142	137	139	163	291	152	101	25	0	2137

SEIKO EPSON CORPORATION

Patents By Year of Grant:	0	30	46	34	50	60	122	160	188	166	162	200	239	327	316	2100
Patents By Year of Application:	74	33	44	71	130	165	164	185	195	224	302	270	183	58	2	2100

FUJI XEROX CO., LTD.

Patents By Year of Grant:	289	52	34	41	43	58	73	116	137	159	182	173	197	283	259	2096
Patents By Year of Application:	377	26	54	62	66	137	127	160	180	160	238	284	187	37	1	2096

MAZDA MOTOR CORPORATION

Patents By Year of Grant:	292	86	143	158	141	142	204	204	180	135	109	59	62	66	60	2041
Patents By Year of Application:	483	133	147	146	158	213	215	147	132	107	51	56	42	11	0	2041

CHEVRON RESEARCH & TECHNOLOGY CO.

Patents By Year of Grant:	1146	161	134	92	76	59	77	85	74	64	24	5	5	0	2	2004
Patents By Year of Application:	1424	109	79	44	62	101	65	72	36	9	2	1	0	0	0	2004

NATIONAL SEMICONDUCTOR CORPORATION

Patents By Year of Grant:	341	35	41	34	60	59	95	103	119	149	186	202	188	178	197	1987
Patents By Year of Application:	412	27	51	58	85	110	110	156	156	217	257	159	141	46	2	1987

UPJOHN COMPANY

Patents By Year of Grant:	1630	66	26	15	31	29	23	31	30	24	24	33	21	1	1	1985
Patents By Year of Application:	1725	24	21	23	27	24	32	28	30	26	23	2	0	0	0	1985

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Pre

1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 TOTAL

FMC CORPORATION

Patents By Year of Grant:	905	72	76	70	70	79	81	77	82	71	54	70	72	99	81	1959
Patents By Year of Application:	1039	79	66	69	81	73	95	58	73	72	75	82	76	20	1	1959

CORNING INCORPORATED

Patents By Year of Grant:	858	50	54	76	59	83	60	82	102	108	74	88	78	72	103	1947
Patents By Year of Application:	959	56	62	65	77	73	92	108	96	104	92	50	80	30	3	1947

YAZAKI CORP.

Patents By Year of Grant:	15	5	11	34	77	124	132	164	130	119	115	180	242	291	307	1946
Patents By Year of Application:	23	25	72	119	147	96	144	118	142	194	218	316	255	75	2	1946

HOECHST CELANESE CORPORATION

Patents By Year of Grant:	574	66	71	109	134	190	128	134	114	93	78	72	75	69	25	1932
Patents By Year of Application:	708	108	128	141	149	137	120	100	77	79	92	59	33	1	0	1932

POLAROID CORPORATION

Patents By Year of Grant:	1071	85	92	70	90	56	40	39	42	40	56	62	63	64	55	1925
Patents By Year of Application:	1247	65	76	69	41	33	52	30	47	76	67	64	46	12	0	1925

NCR CORPORATION

Patents By Year of Grant:	499	63	110	80	126	95	103	89	101	95	54	39	83	176	192	1905
Patents By Year of Application:	661	82	105	106	117	103	116	93	63	35	110	158	140	16	0	1905

PFIZER INC.

Patents By Year of Grant:	714	73	67	63	79	84	91	81	67	77	76	83	102	120	119	1896
Patents By Year of Application:	838	69	57	83	92	97	70	87	81	115	103	70	98	35	1	1896

DEERE + COMPANY

Patents By Year of Grant:	715	77	107	86	102	96	95	73	90	64	72	65	59	71	99	1871
Patents By Year of Application:	851	104	84	92	84	90	81	84	72	66	71	66	83	39	4	1871

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Patents By Year of Grant:	431	45	63	65	101	109	101	126	112	100	105	119	102	139	145	1863
Patents By Year of Application:	563	78	84	102	130	111	108	97	114	146	127	106	79	18	0	1863

WARNER-LAMBERT COMPANY

Patents By Year of Grant:	473	108	122	114	120	114	125	103	86	85	85	69	91	67	85	1847
Patents By Year of Application:	681	128	117	113	101	119	83	74	88	98	107	42	58	36	2	1847

CHRYSLER MOTORS CORPORATION

Patents By Year of Grant:	202	44	79	66	91	120	93	52	75	130	130	189	147	188	240	1846
Patents By Year of Application:	277	73	70	117	94	90	59	111	138	181	181	213	176	64	2	1846

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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DOW CORNING CORPORATION

Patents By Year of Grant:	382	71	58	82	105	124	136	144	93	133	107	108	89	108	106	1846
Patents By Year of Application:	478	84	83	112	146	140	114	108	125	122	107	107	83	35	2	1846

TRW INC.

Patents By Year of Grant:	581	69	77	56	74	52	40	50	82	104	96	98	101	144	200	1824
Patents By Year of Application:	720	57	61	63	47	43	84	111	89	80	125	162	137	43	2	1824

L'OREAL S.A.

Patents By Year of Grant:	349	34	54	53	94	86	86	78	86	76	79	126	169	191	262	1823
Patents By Year of Application:	457	58	80	87	72	71	81	75	82	135	206	191	174	48	6	1823

COLGATE-PALMOLIVE COMPANY

Patents By Year of Grant:	579	48	57	55	94	71	82	67	84	80	84	84	95	141	164	1785
Patents By Year of Application:	679	71	62	85	83	80	93	57	74	92	83	135	126	53	12	1785

OLIN CORPORATION

Patents By Year of Grant:	866	84	60	62	81	76	106	118	73	74	47	57	28	23	17	1772
Patents By Year of Application:	1015	60	63	62	93	123	83	73	64	53	44	17	18	4	0	1772

ITT CORPORATION

Patents By Year of Grant:	937	106	77	33	57	57	63	64	61	81	85	69	36	24	11	1761
Patents By Year of Application:	1129	23	46	45	62	67	71	71	90	75	62	14	5	1	0	1761

W. R. GRACE & CO.-CONN.

Patents By Year of Grant:	562	45	49	63	111	107	122	132	123	116	87	86	74	56	28	1761
Patents By Year of Application:	650	59	98	120	118	114	135	102	112	70	115	40	24	4	0	1761

MURATA MANUFACTURING CO., LTD.

Patents By Year of Grant:	187	48	52	69	62	69	91	84	66	103	118	151	150	217	268	1735
Patents By Year of Application:	272	63	55	76	81	81	70	97	120	168	163	226	212	50	1	1735

BRIDGESTONE CORPORATION

Patents By Year of Grant:	419	65	73	87	101	89	96	97	126	109	95	85	85	94	112	1733
Patents By Year of Application:	555	68	100	111	89	100	114	119	76	87	112	100	77	22	3	1733

VICTOR COMPANY OF JAPAN, LIMITED

Patents By Year of Grant:	577	132	145	88	62	54	91	82	79	68	51	62	64	77	79	1711
Patents By Year of Application:	837	95	56	55	85	98	73	74	53	64	72	86	53	10	0	1711

ATLANTIC RICHFIELD COMPANY

Patents By Year of Grant:	773	111	142	78	74	66	62	59	67	70	61	38	29	34	42	1706
Patents By Year of Application:	976	110	58	65	74	66	61	67	71	46	45	31	26	10	0	1706

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN(HENKEL KGAA)

Patents By Year of Grant:	431	58	90	104	132	122	85	50	69	101	100	108	73	88	86	1697
Patents By Year of Application:	570	93	128	142	98	38	59	92	88	119	91	106	60	13	0	1697

PITNEY-BOWES, INC.

Patents By Year of Grant:	471	66	65	49	111	87	75	102	92	82	98	73	85	124	98	1678
Patents By Year of Application:	621	56	81	83	80	98	93	87	94	123	97	106	51	8	0	1678

AIR PRODUCTS AND CHEMICALS, INC.

Patents By Year of Grant:	390	61	87	70	119	100	119	91	110	125	73	78	72	80	86	1661
Patents By Year of Application:	494	87	96	114	99	103	102	125	90	90	78	72	77	34	0	1661

COMMISSARIAT A L'ENERGIE ATOMIQUE

Patents By Year of Grant:	610	91	126	90	82	72	49	70	52	62	40	69	79	88	81	1661
Patents By Year of Application:	821	76	73	92	48	62	61	55	51	70	83	93	67	9	0	1661

BAXTER INTERNATIONAL INC.

Patents By Year of Grant:	605	48	74	67	92	69	78	63	68	79	62	74	68	99	102	1648
Patents By Year of Application:	734	77	74	71	79	61	63	70	88	81	101	72	64	13	0	1648

YAMAHA CORPORATION

Patents By Year of Grant:	0	0	0	8	87	112	121	120	157	136	140	162	151	208	224	1626
Patents By Year of Application:	2	9	74	101	154	156	117	134	148	142	175	195	160	57	2	1626

RAYTHEON COMPANY

Patents By Year of Grant:	602	48	81	47	60	80	85	86	72	52	45	10	20	117	219	1624
Patents By Year of Application:	761	51	52	67	87	64	90	41	50	22	31	115	164	28	1	1624

SUN MICROSYSTEMS, INC.

Patents By Year of Grant:	3	0	2	3	9	16	24	57	72	73	70	113	162	440	578	1622
Patents By Year of Application:	7	3	3	19	37	60	58	81	69	115	292	488	347	41	2	1622

ALPS ELECTRIC CO., LTD.

Patents By Year of Grant:	267	100	153	198	138	92	86	80	48	36	44	42	82	99	154	1619
Patents By Year of Application:	478	175	152	102	97	72	62	46	41	53	78	108	125	29	1	1619

OKI ELECTRIC INDUSTRY CO., LTD.

Patents By Year of Grant:	166	32	59	79	123	95	109	125	129	106	91	81	72	130	202	1599
Patents By Year of Application:	254	58	98	121	109	107	156	96	88	97	109	101	164	41	0	1599

SHIN ETSU CHEMICAL CO., LTD.

Patents By Year of Grant:	177	40	50	65	52	64	114	134	166	161	142	134	97	96	97	1589
Patents By Year of Application:	242	60	52	61	105	145	123	157	144	160	141	98	77	24	0	1589

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	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

TEKTRONIX INC.

Patents By Year of Grant:	326	91	137	173	143	91	80	67	60	43	63	72	57	73	105	1581
Patents By Year of Application:	536	164	119	111	96	68	65	61	54	62	82	54	74	35	0	1581

CASIO COMPUTER CO. LTD.

Patents By Year of Grant:	174	36	83	88	73	90	143	111	87	114	115	126	86	125	86	1537
Patents By Year of Application:	313	81	72	74	148	110	86	134	87	120	113	94	93	10	2	1537

TELEFONAKTIEBOLAGET LM ERICSSON

Patents By Year of Grant:	220	49	40	35	29	25	29	36	46	66	81	153	116	224	385	1534
Patents By Year of Application:	306	35	21	27	25	52	56	56	94	137	211	236	236	42	0	1534

LUCAS INDUSTRIES PUBLIC LTD. COMPANY

Patents By Year of Grant:	699	75	83	65	90	72	74	40	40	33	48	52	54	58	50	1533
Patents By Year of Application:	825	74	80	77	67	60	44	35	39	58	60	57	42	15	0	1533

ROHM AND HAAS COMPANY

Patents By Year of Grant:	596	33	22	18	32	32	49	65	118	131	117	97	63	71	86	1530
Patents By Year of Application:	664	26	20	23	49	74	98	111	121	97	93	56	64	34	0	1530

HARRIS CORP.

Patents By Year of Grant:	404	55	89	51	74	74	60	60	62	69	71	93	118	126	123	1529
Patents By Year of Application:	550	55	58	65	65	61	73	84	54	114	119	125	84	22	0	1529

HALLIBURTON CO.

Patents By Year of Grant:	447	95	120	70	68	53	60	61	74	162	88	94	39	25	1	1457
Patents By Year of Application:	616	87	49	67	68	50	76	131	131	82	65	28	7	0	0	1457

INSTITUT FRANCAIS DU PETROLE

Patents By Year of Grant:	387	35	55	63	64	72	82	56	71	89	73	69	86	142	102	1446
Patents By Year of Application:	490	58	52	69	71	68	64	84	84	74	110	110	92	20	0	1446

BECTON, DICKINSON AND COMPANY

Patents By Year of Grant:	263	43	62	39	77	56	65	58	58	87	72	100	155	164	137	1436
Patents By Year of Application:	382	43	55	62	46	65	52	73	106	109	135	151	122	34	1	1436

TAKEDA CHEMICAL INDUSTRIES LTD.

Patents By Year of Grant:	417	57	57	58	79	87	50	66	93	68	70	99	77	73	80	1431
Patents By Year of Application:	545	57	69	73	85	61	73	71	84	93	93	73	46	6	2	1431

LEVER BROS. CO., DIVISION OF CONOPCO, INC.

Patents By Year of Grant:	538	61	60	48	51	67	62	63	54	67	76	81	57	68	72	1425
Patents By Year of Application:	658	40	56	60	68	62	64	45	78	59	95	76	56	8	0	1425

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Pre

1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 TOTAL

AGFA-GEVAERT, AG

Patents By Year of Grant:	803	55	31	44	64	52	53	33	36	40	39	20	39	50	54	1413
Patents By Year of Application:	885	33	62	55	46	36	35	42	34	39	48	38	47	12	1	1413

NIPPON STEEL CORP.

Patents By Year of Grant:	402	53	48	54	78	57	63	75	80	79	85	72	89	94	67	1396
Patents By Year of Application:	490	55	58	61	50	96	90	77	79	81	100	93	59	7	0	1396

UNITED STATES OF AMERICA, HEALTH & HUMAN SERVICES

Patents By Year of Grant:	243	28	34	27	34	38	50	76	85	108	97	117	150	169	139	1395
Patents By Year of Application:	314	34	37	56	67	81	92	124	121	169	185	56	55	4	0	1395

MEDTRONIC INC.

Patents By Year of Grant:	272	28	18	18	12	32	32	70	65	114	93	79	91	243	208	1375
Patents By Year of Application:	329	12	14	17	39	57	63	88	118	93	115	185	182	61	2	1375

SUNDSTRAND CORPORATION

Patents By Year of Grant:	206	80	89	82	132	158	196	120	66	57	31	45	29	45	35	1371
Patents By Year of Application:	365	87	98	156	227	130	70	50	51	38	27	40	25	7	0	1371

FANUC LTD.

Patents By Year of Grant:	90	76	104	78	135	125	129	125	102	87	70	73	51	71	51	1367
Patents By Year of Application:	259	80	97	125	163	125	103	83	64	85	85	33	55	10	0	1367

B. F. GOODRICH CO.

Patents By Year of Grant:	624	54	60	75	78	57	73	69	59	47	30	33	17	29	28	1333
Patents By Year of Application:	735	54	71	75	96	51	43	60	39	31	29	22	24	3	0	1333

MITSUI TOATSU CHEMICALS INC.

Patents By Year of Grant:	252	29	44	64	78	95	88	130	139	118	96	79	72	45	2	1331
Patents By Year of Application:	319	61	77	82	115	119	107	118	104	87	97	38	7	0	0	1331

MITA INDUSTRIAL COMPANY LTD.

Patents By Year of Grant:	172	43	42	34	46	60	89	105	128	95	89	94	73	169	81	1320
Patents By Year of Application:	244	41	48	47	87	118	98	113	104	81	104	101	107	26	1	1320

WHITAKER CORPORATION

Patents By Year of Grant:	0	0	0	0	0	0	0	0	61	195	201	212	198	222	231	1320
Patents By Year of Application:	0	0	0	0	0	3	11	115	231	246	220	239	219	36	0	1320

AGENCY OF INDUSTRIAL SCIENCE & TECHNOLOGY

Patents By Year of Grant:	342	54	60	80	96	92	97	72	62	49	57	57	73	71	57	1319
Patents By Year of Application:	438	78	91	95	94	75	66	50	51	65	74	76	55	9	2	1319

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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AMERICAN HOME PRODUCTS CORPORATION

Patents By Year of Grant:	492	45	48	70	86	68	48	56	68	31	60	96	34	50	47	1299
Patents By Year of Application:	569	70	74	51	66	45	62	59	46	72	92	36	31	25	1	1299

NGK INSULATORS LTD.

Patents By Year of Grant:	150	30	57	64	117	84	79	92	111	73	65	67	81	92	123	1285
Patents By Year of Application:	234	51	88	88	102	88	97	94	69	73	93	93	90	24	1	1285

APPLE COMPUTER, INC.

Patents By Year of Grant:	20	8	11	10	11	24	33	47	69	66	124	185	230	261	181	1280
Patents By Year of Application:	46	5	19	10	34	53	65	110	149	186	319	181	88	15	0	1280

ETHYL CORPORATION

Patents By Year of Grant:	483	77	48	51	88	109	118	95	88	51	8	12	14	10	8	1260
Patents By Year of Application:	610	49	53	100	118	97	93	70	26	6	17	9	8	4	0	1260

INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE, TAIWAN

Patents By Year of Grant:	7	2	9	9	28	28	51	56	106	120	145	112	156	220	210	1259
Patents By Year of Application:	14	7	22	37	31	60	92	117	143	124	187	191	181	49	4	1259

YAMAHA HATSUDOKI KABUSHIKI KAISHA, YAMAHA MOTOR CO., LTD.

Patents By Year of Grant:	275	42	53	42	24	70	81	90	86	55	57	73	76	132	102	1258
Patents By Year of Application:	365	48	32	35	80	91	77	85	61	85	81	119	86	13	0	1258

BLACK & DECKER INC.

Patents By Year of Grant:	278	55	48	36	45	40	57	49	37	46	66	112	126	141	118	1254
Patents By Year of Application:	385	36	46	44	45	40	33	37	55	78	158	120	125	48	4	1254

OWENS-CORNING FIBERGLAS CORPORATION

Patents By Year of Grant:	719	58	46	35	37	17	15	15	14	20	11	35	65	68	67	1222
Patents By Year of Application:	819	36	29	30	11	17	13	14	16	39	65	72	47	14	0	1222

ALUMINUM COMPANY OF AMERICA

Patents By Year of Grant:	384	76	80	74	62	60	67	52	65	58	51	53	33	57	49	1221
Patents By Year of Application:	527	78	68	63	63	54	62	51	56	53	49	50	35	12	0	1221

EXXON CHEMICALS PATENTS INC.

Patents By Year of Grant:	0	9	28	33	67	74	116	93	115	113	124	103	115	119	112	1221
Patents By Year of Application:	29	49	56	87	87	121	80	96	135	106	167	83	106	19	0	1221

ILLINOIS TOOL WORKS INC.

Patents By Year of Grant:	348	40	42	41	27	44	47	53	76	36	60	72	93	125	99	1203
Patents By Year of Application:	422	39	33	26	38	60	53	63	53	83	99	103	92	37	2	1203

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	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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FUJI ELECTRIC CO., LTD.

Patents By Year of Grant:	146	30	46	48	60	70	67	70	64	77	100	124	95	92	110	1199
Patents By Year of Application:	211	44	57	65	70	62	79	74	101	123	119	88	80	25	1	1199

KIMBERLY-CLARK CORPORATION

Patents By Year of Grant:	196	60	95	84	95	70	50	60	49	65	84	147	111	23	9	1198
Patents By Year of Application:	341	97	83	64	62	66	44	61	82	125	135	35	3	0	0	1198

YOSHIDA KOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	463	87	76	63	81	58	92	73	50	68	66	15	2	1	0	1195
Patents By Year of Application:	592	71	65	60	93	76	57	49	91	35	6	0	0	0	0	1195

ZENITH ELECTRONICS CORPORATION

Patents By Year of Grant:	478	66	92	80	60	59	59	61	46	36	31	33	33	28	25	1187
Patents By Year of Application:	628	66	72	51	57	60	59	50	29	28	34	31	21	1	0	1187

CARRIER CORPORATION

Patents By Year of Grant:	410	39	34	45	53	51	75	61	55	64	67	51	41	69	66	1181
Patents By Year of Application:	475	46	46	46	56	67	63	54	66	67	56	63	46	30	0	1181

SANDOZ LTD.

Patents By Year of Grant:	535	42	51	54	60	36	52	41	47	44	45	85	57	20	10	1179
Patents By Year of Application:	635	49	49	48	44	46	49	40	47	67	81	16	8	0	0	1179

COMPAQ COMPUTER CORPORATION, INC.

Patents By Year of Grant:	1	1	0	4	11	21	30	63	71	77	121	118	132	250	267	1167
Patents By Year of Application:	3	4	10	27	40	50	81	89	111	127	142	264	180	38	1	1167

STAUFFER CHEMICAL COMPANY

Patents By Year of Grant:	888	75	95	69	36	0	2	0	1	0	0	0	0	0	0	1166
Patents By Year of Application:	1040	73	39	12	1	1	0	0	0	0	0	0	0	0	0	1166

MITSUBISHI JUKOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	266	51	88	59	59	65	62	85	85	69	65	61	57	59	32	1163
Patents By Year of Application:	376	72	54	53	79	60	101	80	58	60	72	72	24	2	0	1163

UNITED STATES OF AMERICA, DEPARTMENT OF AGRICULTURE

Patents By Year of Grant:	493	34	30	35	43	49	47	55	54	38	49	41	49	75	71	1163
Patents By Year of Application:	558	34	39	44	58	57	58	38	45	47	64	63	46	11	1	1163

INTERNATIONAL FLAVORS + FRAGRANCES INC

Patents By Year of Grant:	740	76	39	25	31	41	39	25	26	30	27	19	12	17	4	1151
Patents By Year of Application:	833	36	25	32	34	31	31	17	37	28	18	18	9	2	0	1151

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	Pre															
	1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL

SINGER COMPANY

Patents By Year of Grant:	1050	39	34	24	1	0	0	0	0	0	0	0	0	0	0	1148
Patents By Year of Application:	1111	25	9	3	0	0	0	0	0	0	0	0	0	0	0	1148

ASAHI KASEI KOGYO KABUSHIKI KAISHA

Patents By Year of Grant:	515	49	51	54	52	38	33	35	57	54	35	29	30	50	61	1143
Patents By Year of Application:	615	51	48	41	49	34	52	40	33	42	29	44	52	13	0	1143

SMITHKLINE BECKMAN CORPORATION

Patents By Year of Grant:	682	29	55	56	62	34	14	31	19	27	37	27	21	24	21	1139
Patents By Year of Application:	770	49	61	31	29	17	30	34	23	28	32	17	15	3	0	1139

AGFA-GEVAERT N.V.

Patents By Year of Grant:	239	20	18	23	34	19	40	36	54	67	95	104	114	141	127	1131
Patents By Year of Application:	273	23	26	29	22	45	52	49	81	107	128	154	100	40	2	1131

MICROSOFT CORPORATION

Patents By Year of Grant:	0	1	0	1	3	3	2	8	18	26	53	104	206	343	356	1124
Patents By Year of Application:	2	0	3	4	11	12	10	67	68	153	252	305	216	20	1	1124

NATIONAL RESEARCH DEVELOPMENT CORPORATION

Patents By Year of Grant:	626	77	84	48	83	59	58	60	19	3	1	0	1	1	1	1121
Patents By Year of Application:	778	72	61	65	58	54	27	2	1	1	2	0	0	0	0	1121

DRESSER INDUSTRIES, INC.

Patents By Year of Grant:	591	68	75	50	42	25	37	28	20	22	12	15	25	27	46	1083
Patents By Year of Application:	720	46	45	36	18	40	24	18	13	22	25	27	32	15	2	1083

LSI LOGIC CORPORATION

Patents By Year of Grant:	1	1	3	6	7	5	10	20	39	45	78	127	168	229	339	1078
Patents By Year of Application:	5	2	10	9	7	21	27	59	91	111	217	265	226	28	0	1078

NIPPON TELEGRAPH & TELEPHONE CORP.

Patents By Year of Grant:	345	46	34	47	46	42	42	48	54	47	54	61	66	88	58	1078
Patents By Year of Application:	431	39	35	51	34	49	49	52	54	72	76	85	42	9	0	1078

GOLDSTAR COMPANY, LTD.

Patents By Year of Grant:	4	4	19	38	36	65	67	89	96	155	183	182	85	36	13	1072
Patents By Year of Application:	33	37	53	61	41	84	119	141	178	215	61	39	10	0	0	1072

KAO KABUSHIKI KAISHA (KAO CORPORATION)

Patents By Year of Grant:	32	26	46	46	64	53	76	88	69	78	82	70	109	131	98	1068
Patents By Year of Application:	95	63	51	57	66	72	94	79	67	90	112	118	84	19	1	1068

Technology Assessment and Forecast Report

ALL PATENTS ALL TYPES REPORT (U, D, PP, RE, T, SIR)

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Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) Ranked List of Organizations with 1000 or More Patents

Pre

1986 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 TOTAL

UNION OIL COMPANY OF CALIFORNIA

Patents By Year of Grant:	377	69	59	70	75	57	91	88	54	47	28	11	15	14	8	1063
Patents By Year of Application:	527	63	54	72	79	71	64	51	34	19	16	5	7	1	0	1063

NIKE, INC.

Patents By Year of Grant:	14	3	2	0	4	25	57	109	122	111	57	42	173	220	123	1062
Patents By Year of Application:	19	0	3	5	15	95	110	111	83	61	72	169	158	108	53	1062

BENDIX CORPORATION(NOW ALLIED-SIGNAL INC.)

Patents By Year of Grant:	1048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1048
Patents By Year of Application:	1048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1048

COMBUSTION ENGINEERING INC.

Patents By Year of Grant:	560	61	61	44	35	21	18	19	48	59	26	19	15	39	22	1047
Patents By Year of Application:	673	45	36	28	16	18	22	65	45	29	16	28	20	6	0	1047

MEAD CORPORATION

Patents By Year of Grant:	446	51	31	39	64	72	56	38	38	37	27	20	32	54	40	1045
Patents By Year of Application:	515	27	57	69	70	48	32	38	35	24	29	45	41	15	0	1045

SCHLUMBERGER TECHNOLOGY CORPORATION

Patents By Year of Grant:	272	40	45	38	70	63	58	50	57	66	50	56	48	46	80	1039
Patents By Year of Application:	371	34	42	44	68	70	61	52	55	64	51	54	60	13	0	1039

RAYCHEM CORPORATION

Patents By Year of Grant:	301	53	83	58	96	58	57	55	41	37	40	34	35	51	36	1035
Patents By Year of Application:	448	51	57	90	51	58	39	46	38	31	50	41	32	3	0	1035

EMERSON ELECTRIC CO.

Patents By Year of Grant:	359	33	40	29	58	58	44	46	53	46	36	52	43	62	73	1032
Patents By Year of Application:	418	44	31	62	39	46	55	46	50	63	37	62	56	23	0	1032

CONOCO, INC.

Patents By Year of Grant:	582	42	30	64	54	52	55	50	37	19	13	11	7	7	7	1030
Patents By Year of Application:	656	39	46	63	42	53	52	28	15	13	7	7	7	2	0	1030

DAEWOO ELECTRONICS COMPANY, LTD.

Patents By Year of Grant:	1	0	6	0	1	1	0	3	1	19	47	131	215	320	278	1023
Patents By Year of Application:	7	0	1	0	2	1	2	6	44	150	213	303	243	51	0	1023

UNITED STATES SURGICAL CORPORATION

Patents By Year of Grant:	96	36	5	11	11	12	33	50	57	118	160	141	97	93	98	1018
Patents By Year of Application:	142	6	12	10	21	53	61	112	162	141	124	93	67	14	0	1018

Technology Assessment and Forecast Report

ALL PATENTS ALL TYPES REPORT (U, D, PP, RE, T, SIR)

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Organizational Patenting

(Granted: Jan 01, 1977 - Dec 31, 1999) Ranked List of Organizations with 1000 or More Patents

	Pre 1986	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	TOTAL
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MILES INC.

Patents By Year of Grant:	353	38	50	50	53	53	37	103	109	90	62	6	7	0	0	1011
Patents By Year of Application:	470	44	53	39	47	64	105	85	66	33	5	0	0	0	0	1011

TDK CORPORATION

Patents By Year of Grant:	48	60	57	74	76	50	51	58	60	62	67	81	76	83	104	1007
Patents By Year of Application:	179	55	66	53	70	56	42	65	70	86	83	65	81	33	3	1007

SCHERING AKTIENGESELLSCHAFT

Patents By Year of Grant:	368	48	36	39	52	75	41	54	40	31	49	31	44	52	45	1005
Patents By Year of Application:	459	53	45	57	53	57	39	38	45	43	60	31	19	5	1	1005

NALCO CHEMICAL COMPANY

Patents By Year of Grant:	316	26	50	52	55	54	49	71	59	71	69	30	34	33	34	1003
Patents By Year of Application:	362	42	70	59	52	50	66	65	74	46	46	34	26	11	0	1003

UNIVERSITY OF TEXAS

Patents By Year of Grant:	48	25	21	21	50	54	83	73	86	97	89	87	81	96	91	1002
Patents By Year of Application:	106	33	57	62	79	74	75	97	102	102	107	55	44	7	2	1002

BABCOCK & WILCOX COMPANY

Patents By Year of Grant:	319	48	60	44	59	45	43	45	69	42	53	71	56	38	9	1001
Patents By Year of Application:	420	47	37	44	49	41	58	56	49	79	65	38	16	2	0	1001

Other Organizations (156115)

Patents By Year of Grant:	280315	36720	42957	40868	49290	47208	50806	51488	52447	54620	55320	59677	63417	84646	90516	1060295
Patents By Year of Application:	357377	39819	43252	47128	49933	51376	51627	54241	57360	65325	77238	74080	67390	23058	1091	1060295